

QUICK. SIMPLE. EASY.

The New HR Series is the latest ARM line of DVR's offering H.264 recording technology. H.264 compression technology is less demanding on bandwidth than MPEG-4 DVR's and provides smooth network video transmission. The 1U rack-mountable chassis design is small on size but big on features. A new graphical user interface is simple and easy to use and optimizes set-up of the unit. In addition to VGA and BNC outputs, all models include HDMI video outputs for outstanding live images. Other features include built-in motion detection, PTZ control and audio recording. You can even view live video, search and playback recorded video and remotely monitor the unit via internet on your PC while simultaneously recording at the DVR. The HR Series is feature-packed with:

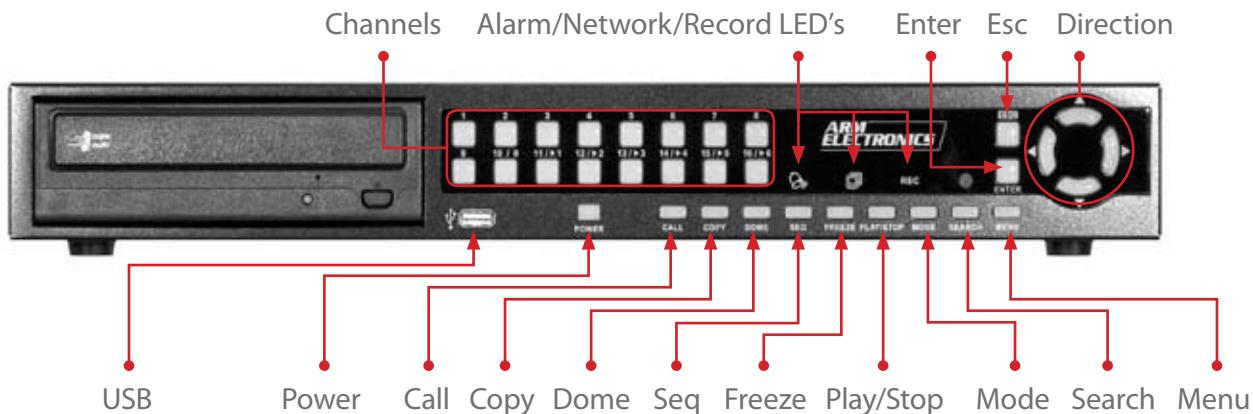
- Up to 480FPS High Quality Recording
- Up to 4.0TB Internal Storage (16 Ch. models)
- HDMI, VGA & BNC Video Outputs
- H.264 Compression
- Pentaplex Operation
- DVD-R/W & USB Archive
- Motion Detection

**Quick to Set-Up,
Simple to Use,
Easy on Your Budget.**



Monitor shown is ARM LCD1720HG
with HR Remote Software.
Monitor not included.

FEATURES & BENEFITS | FRONT PANEL DEFINITIONS



HIGH PERFORMANCE

Up to 480 FPS Recording

Record up to 480 FPS @ CIF simultaneously across 16 channels for high quality video playback.

Up to 4.0TB Storage

Compatible with large disk drives for long-term storage capabilities. (16 Channel models)

HDMI Video Output

Get the highest quality live images using the newly added HDMI output.

H.264 Compression

H.264 recording is less demanding on bandwidth and uses less disk space than MPEG-4 DVR's.

Motion Detection

Maximize your storage by only recording video when motion is detected.

CONVENIENCE

Easy Archiving

Quickly offload archived video via USB 2.0 or DVD-R/W.

Backup Player

When creating DVD or USB backups, both video and player software are included allowing files to be re-played on any PC.

Built-in PTZ Control

Effortlessly control PTZ cameras without the need for external controllers.

Multiple Recording Modes

Set your DVR to record by motion, schedule, alarm or even remotely.

IR Remote Control

Control all DVR functions using the included IR remote control.

Mouse Control

Included USB mouse for easy operation.

TOTAL SECURITY

Advanced Protection

Multiple passwords support various levels of user access.

Image Authentication

Recorded video contains watermarks and cannot be altered.

Linux-Based OS

Embedded operating system is virtually immune to common PC based viruses.

Alarming

Integrated alarming inputs for external devices including door-locks, sirens, PIR detectors, etc.

Mobile View

View video anywhere, anytime, from your mobile phone. (Supports iPhone, Android & Blackberry)

HR SERIES Real-Time 4-8-16 Channel H.264 DVR's with DVD-R/W

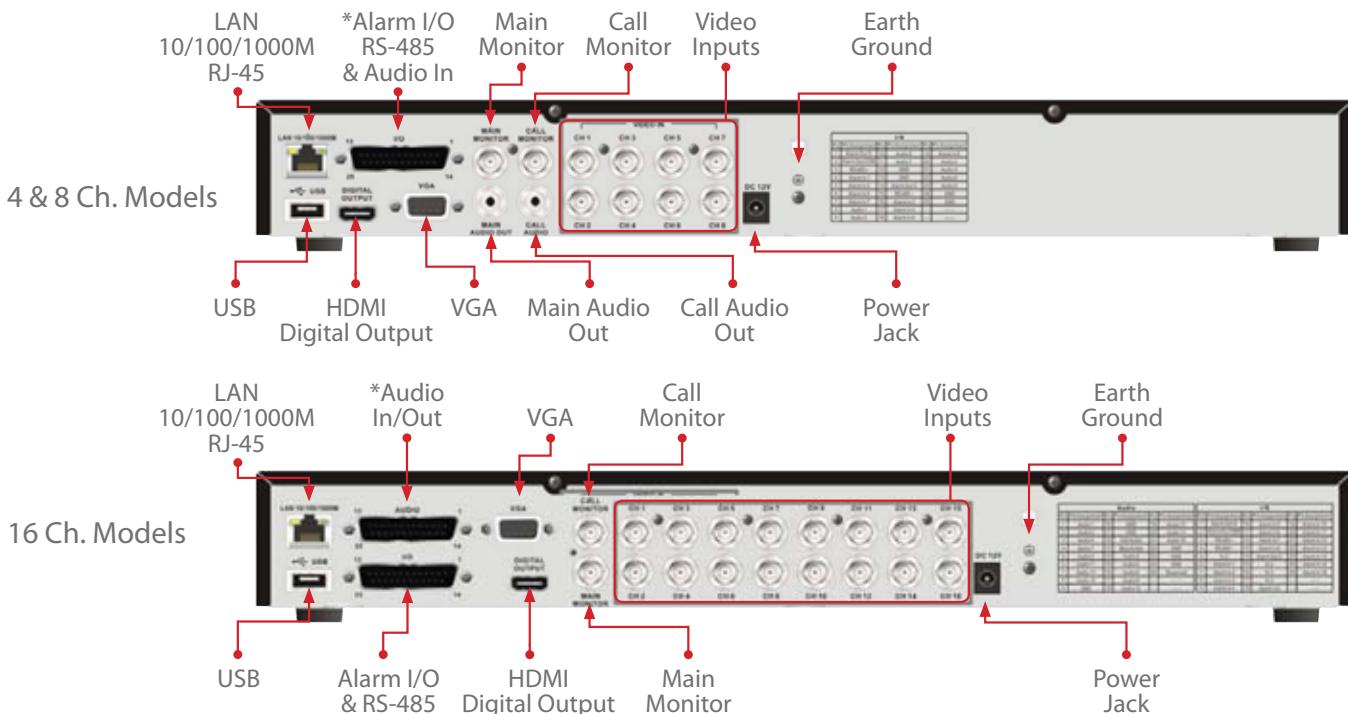
ARM ELECTRONICS

HARD DRIVE OPTIONS | REAR PANEL DEFINITIONS | ACCESSORIES



| HD Size | 4 Channel 120FPS | 8 Channel 240FPS | 16 Channel 480FPS |
|---------|------------------|------------------|-------------------|
| 250GB | HR4D250 | HR8D250 | HR16D250 |
| 500GB | HR4D500 | HR8D500 | HR16D500 |
| 1.0TB | HR4D1T | HR8D1T | HR16D1T |
| 1.5TB | HR4D15T | HR8D15T | HR16D15T |
| 2.0TB | HR4D2T | HR8D2T | HR16D2T |
| 4.0TB | N/A | N/A | HR16D4T |

REAR PANEL DEFINITIONS



* Audio Cable Assembly includes RCA connectors for all audio channels.

INCLUDED ACCESSORIES

All Units Include:

- (1) Power Cord
- (1) Power Supply
- (1) User Manual
- (1) Quick Start Manual
- (1) IR Remote Control
- (1) Blank DVD+R/W Disc
- (2) D-sub Connectors
- (1) Alarm (1) Audio
- (2) Rack Mount Ears



RECOMMENDED ACCESSORIES

- | | | |
|---------------|------------------|------------------|
| VC4P | CSP1 | LCD1720HG |
| Push Terminal | 5AMP Max Current | 17" LCD Monitor |
| Mini Balun | Coaxial Surge | Also Available |
| W/4" BNC Cord | Protector | in 15" and 19" |

TECHNICAL SPECIFICATIONS

| | SPECIFICATIONS | HR4 4-Channel | HR8 8-Channel | HR16 16-Channel |
|---------------|---------------------------------|---------------------------|--|----------------------------|
| VIDEO | Operation System | | Embedded (Linux) | |
| | Video Standard | | NTSC/PAL Auto Switching | |
| | Video Operation | | Pentaplex Live, Record, Playback, Remote and Internet Access | |
| | Resolution-Live Video | | 720 x 480 | |
| | Video Input | BNC x 4, 1.0Vp-p / 75ohm | BNC x 8, 1.0Vp-p / 75ohm | BNC x 16, 1.0Vp-p / 75ohm |
| | Outputs: | Main Monitor | HDMI, VGA or BNC | |
| | | Call Monitor | BNC x 1, 1.0Vp-p / 75ohm | |
| | HDMI Output | | 1080P Upscaled | |
| | VGA Output | | 1024 x 768, 1280 x 1024 Pixels | |
| | Picture Refresh Rate | 120FPS | 240FPS | 480FPS |
| | Display Mode | 1, 4 | 1, 4, 9 | 1, 4, 9, 16 |
| | Digital Zoom | | Live View 2x | |
| | Camera Installation | | Plug & Play | |
| AUDIO | Input | RCA x 4 Line-in | RCA x 8 Line-in | RCA x 16 Line-in |
| | Output | | RCA x 2 (1 x Main / 1 x Call) via Cable Assembly | |
| | Recording Mode | | Real Time Recording Synchronized w/Video | |
| | Compression Method | | Proprietary | |
| | Data Rate | | 8Kb/s per CH | |
| | Operation | | Remote | |
| RECORDING | Playback | | Only for Video at Original Speed | |
| | Compression Method | | H.264 | |
| | Recording Mode | | Schedule, Alarm, Motion Detection, Continuous | |
| | Recording Resolution/Rate | 120FPS @ 360x240 (CIF) | 240FPS @ 360x240 (CIF) | 480FPS @ 360x240 (CIF) |
| | | 60FPS @ 720x240 (Half D1) | 120FPS @ 720x240 (Half D1) | 240FPS @ 720x240 (Half D1) |
| | | 30FPS @ 720x480 (D1) | 60FPS @ 720x480 (D1) | 120FPS @ 720x480 (D1) |
| PLAYBACK | Recording Quality | | 8 Preset Levels, Adjustable | |
| | Image Size | | 1K to 20K Byte/Picture | |
| | Storage Mode | | Linear / Circular | |
| | Playback | | Pause, Stop, Rewind, Forward, Search | |
| STORAGE | Playback Speed Adjustment | | 1x, 2x, 4x, 8x, 16x, 32x | |
| | Search | | Date/Time, Event | |
| | Data Life Time Select | | Yes. 1-365 Days | |
| ALARM | Built-in HDD | SATA x 1 | | SATA x 2 |
| | Built-in File Copy | | DVD+RW | |
| | Export | | USB 2.0 Port x2 (Support ThumbDrive), DVD+RW | |
| COMMUNICATION | Alarm Input | D-Sub x 4 | D-Sub x 8 | D-Sub x 16 |
| | Alarm Relay Output | | D-Sub x 1 | |
| | Alarm Detection | | N.C./N.O., Programmable | |
| | Motion Detection | | 16 x 12 Grid Array, Sensitivity, Trigger Level Adjustable | |
| | Video Loss Detection | | Programmable | |
| GENERAL | Network Connectivity | | Ethernet RJ-45 connector, 10/100/1000Mbps, supports DHCP | |
| | Remote Control Software – (CMS) | | Included on Disk with Accessories | |
| | Mobile View Support | | iPhone, Android & Blackberry | |
| | Remote Access | | Up to 7 Users / 8 Authority Levels | |
| | Remote Operation | | Monitor, Playback, Recording, System Setup, Archive | |
| | RS-485 | | D-Sub | |
| | IR Remote | | Included | |
| | Dome Control Protocol | | Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, DSCP, JVC | |
| | Unit Dimension(WxHxD) | | 17.3" x 2.3" x 15" | |
| | Unit Weight | | 10.8lbs | |
| | Package Dimensions | | 21.5" x 6.5" x 18" | |
| | Package Weight | | 15.2lbs | |
| | Operation Temperature | | 23° ~ 104°F | |
| | Relative Humidity | | 10% ~ 90% Non-Condensing | |
| | Power Consumption & Input | | AC 100 ~ 240V, 50-60Hz, 60W Adaptor | |